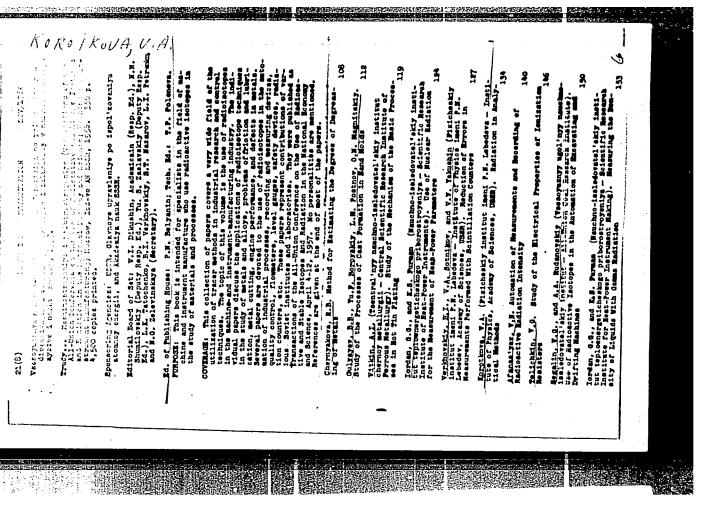
"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824920003-3



CONTRACTOR OF THE PROPERTY OF

26-58-2-13/48

AUTHOR:

Korotkova, V.A., Candidate of Physico-Mathematical Sciences

TITLE:

Radio Isotopes in Scientific Experiments (Radioizotopy v nauchnom eksperimente) At the International Conference in

Paris (Na mezhdunarodnoy konferentsii v Parizhe)

PERIODICAL:

Priroda, 1958, Nr 2, pp 64-66 (USSR)

ABSTRACT:

author washonded

At the International Conference on the Use of Radio Isotopes in Scientific Experiments, convened by the General Council of the UNESCO from 9-20 September, 1957, Professor A.A. Zhukovitskiy described an experimental method for simultaneous determination of the pressure of gases and their coefficient of diffusion, which would make it possible to calculate the thermodynamic characteristics of a solution, particularly of silver-copper and silver-lead. P.L. Gruzin dealt with interactions between atoms in alloys. L.A. Shvartsman described a method of studying the distribution of sulphur, phosphorus, chromium, tungsten and molybdenum among iron and slag by using tracer atoms. V.S. Vavilov reported the results of his study of the energy of ionization produced by; -particles in crystals of germanium, silicon, and also discussed the defects in single

Card 1/2

CIA-RDP86-00513R000824920003-3" APPROVED FOR RELEASE: 06/14/2000

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26-58-2-13/48

Radio Isotopes in Scientific Experiments. At the International Conference in Paris

crystals of germanium caused by the action of β -particles and fast neutrons. Other reports were read by non-Soviet scientists. There are two Soviet references.

ASSOCIATION: Fizicheskiy institut imeni P.N. Lebedeva, Akademiya nauk SSSR,

Moskva (Physics Institute imeni P.N. Lebedev of the USSR Aca-

demy of Sciences, Moscow)

Card 2/2 1. Scientific research 2. Radio isotopes--Applications

ANDREYEV, G.S., kand. tekhn. nauk; BOKUCHAVA, G.V., kand. tekhn. nauk, dots.; BRAKHMAN, L.A., inzh.; BUDNÍKOVA, A.V., inzh.; GORDON, M.B., kand. tekhn. nauk, dots.; ZHAVORONKOV, V.N., inzh.; KARZHAVINA, T.V., kand. tekhn. nauk; KOROTKOVA, Y.G., inzh.; KORCHAK, S.N., inzh.; KLUSHIN, M.I., kand. tekhn. nauk, dots.; KUZNETSOV, A.P., kand. tekhn. nauk, dots.; KURAKIN, A.V., inzh.; LATYSHEV, V.N., inzh.; OL'KHOVSKIY, V.N., inzh.; ORLOV, B.M., kand. tekhn. nauk, dots.; OSHER, R.N., inzh.; PODGORKOV, V.V., inzh.; SIL'VESTROV, V.D., kand. tekhn. nauk [deceased]; TIKHONOV, V.M., inzh.; TROITSKAYA, D.N., inzh.; KHEUL'KOV, V.A., inzh.; LESNICHENKO, I.I., red. izd-va; SOKOLOVA, T.F., tekhn. red.; GORDEYEVA, L.P., tekhn. red.

[Lubricating and cooling fluids and their use in cutting metals] Smazochno-okhlazhdaiushchie zhidkosti pri rezanii metallov i tekhnika ikh primeneniia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 291 p. (MIRA 15:1) (Metalworking lubricants)

KOROTKOVA, V. M., inzh.; Monastyrskaya, M. S., kand.tekhn.nauk, dotsent;

PAVLOV, S. A., doktor tekhn.nauk, prof.

Studying the reaction of hydrocellulose with carboxylated latexes.

Izv.vys.ucheb.zav.; tekh.leg.prom. no.4:38-44 '61.

(MIRA 14:10)

1. Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti.

Rekomendovana kafedroy tekhnologii iskusstvennoy kozhi i plenochnykh materialov.

(Latex)

(Cellulose)

s/064/61/000/006/002/003 B110/B206

AUTHORS:

Frolov, A. F., Korotkova, V. N.

TITLE:

Equilibrium of the system liquid - vapor for mixtures of

isoprene and hydrocarbons of the C5 fraction

Khimicheskaya promyshlennost', no. 6, 1961, 6 - 8 PERIODICAL:

TEXT: The separation of hydrocarbons of the C_5 fraction formed besides isoprene during dehydration of isopentane is difficult owing to the close vicinity of boiling points of the reaction products. It is the authors' aim to investigate the equilibrium of the system liquid - vapor of this mixture. Synthetic mixtures with α (3-methyl butene-1)-, β (2-methyl butene-2)-, and (2-methyl butene-1)-isoamylenes were investigated by PNY (RLU) refractometer (accuracy ±2.10-4) to determine the dependence of the on the isoprene content. Since the isoprene determination in the isoprene-trans-1, 3-pentadiene mixture was impossible by means of the RLU refractometer owing to the close vicinity of the n-values, Card 1/9

S/064/61/000/006/002/003 B110/B206

Equilibrium of the system ...

given in Tables 2-5. The relative volatility α and the activity coefficients χ' were determined from equations: $\alpha = |y(1-x)|/[x(1-y)]$ and $y = (P \cdot y)/(P^0 \cdot x)$, where P = partial pressure of the component under experimental conditions, Po = pressure of the pure, saturated vapor of the component at experimental temperature, and x and y = molar concentrations of the component in vapor and liquid. The saturated pressures of pure vapors were taken from publications (Ref. 4: Fiziko-khimicheskiye svoystva individual'nykh uglevodorodow, pod redaktsiyey M. D. Tilicheyeva, vyp. 3, Gostoptekhizdat, 1951). The activity coefficients of the hydrocarbons investigated were close to 1 (Tables), which indicates the ideality of the system and its conformance with Racult's law over a great concentration range. The method by I. N. Bushmakin and Ye. D. Voyeykova (ZhOKh. 10, 1615 (1949)) was used for a more accurate qualitative checkup of the experimental results. The points of the curves $\alpha = f(x)$ for the hydrocarbons investigated lay on a straight line, which also indicates conformance with Raoult's law. There are 2 figures, 5 tables, and 6 references: 5 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: Ref. 2: Ind. Eng. Chem., 49, no. 3, 414 (1957). Card 3/9

Card 4/9

s/079/60/030/009/007/015 BOC1/BO64

AUTHORS:

Korotkova, V. P. Petrov, K. A., Bliznyuk, N. K.,

TITLE:

Reaction of the Acid Chlorides of Phosphoric Acid and Alkyl Phosphinic Acids With Alkyl Magnesium Bromides

Zhurnal obshchey khimii, 1960, Vol. 30, No. 9, PERIODICAL:

pp. 2995-2999

TEXT: Proceeding from the papers of Refs. 1-6 that deal with the smooth formation of the trialkyl phosphine oxides from phosphorus oxychloride and organo-magnesium compounds (Scheme 1), the authors tried to increase the yields of dialkyl phosphinic acids. They showed that the reaction of the acid chlorides of the pentavalent phosphoric acids with alkyl magnesium bromides does not come to an end, and found the reasons why. Also in the case of longer boiling of the acid chloride with excess organomagnesium compound a certain amount of dialkyl phosphinic acid forms besides phosphine oxide. The yield of the mentioned acid increases considerably if alkyl magnesium halides of isostructure are used. Thus, according to Ref. 1 the reaction of phosphorus oxychloride with n-butyl

Card 1/3

THE REPORT OF THE PROPERTY OF

Reaction of the Acid Chlorides of Phosphoric Acid and Alkyl Phosphinic Acids With Alkyl Magnesium Bromides S/079/60/030/009/007/015 B001/BU64

magnesium bromide gives rise to 50-60% tri-n-butyl phosphine oxide and 15-25% di-n-butyl phosphinic acid. Under the same conditions, except for the use of isobutyl magnesium bromide, the oxide yield is reduced to 25-30%, and that of the acid increased to 30.5%. Apparently, the authors of Ref. 1 regarded the mixture of trialkyl phosphine oxide and dialkyl phosphinic acid as pure oxide. The formation of considerable amounts of dialkyl phosphinic acids besides the oxides in the Grignard reaction may be explained by the fact that the intermediate products (the chloro phosphonates) react with magnesium halides and pass over into the complexes R₂P(0)Cl·MgXCl that are insoluble in ether and which in turn react

difficultly under heterogeneous conditions with the alkyl magnesium halides. This circumstance permits stopping most of the reaction during the intermediate stage and thus to obtain the dialkyl phosphinic acids and their derivatives. On treating phosphorus oxychloride or the acid dichloride of methyl phosphinic acid with alkyl magnesium bromides, in the molar ratio 1:2 and 1:1, with subsequent hydrolysis, dialkyl phosphinic acids were obtained in approximately the same yields as in the blocking

Card 2/3

Reaction of the Acid Chlorides of Phosphoric Acid and Alkyl Phosphinic Acids With Alkyl Magnesium Bromides S/079/60/030/009/007/015 B001/B064

of the chlorine atom with pyridine (Ref. 6) (Scheme 2). On treating the above complex with alcohol in the presence of triethyl amine the ester of dialkyl phosphinic acid is obtained in good yields (Scheme 3). The reaction of alkyl dichloro phosphates and acid chloride esters of methyl phosphinic acid with Grignard reagents gave rise to esters of dialkyl phosphinic acids (Table) (Scheme 4). There are 1 table and 7 references: 1 Soviet, 5 US, and 1 German.

SUBMITTED:

August 13, 1959

Card 3/3

27508

\$/079/61/031/009/009/012

15-8150 1372, 2203, 2405

D215/D306

AUTHORS:

Petrov, K.A., Gavrilova, A.I., Shatunov, V.K., and

Korotkova, V.P.

TITLE:

Diethyleneimides of \$-aminoethylphosphinic and

thiophosphinic acids. II

PERIODICAL: Zhurnal obshchey khimii, v. 31, no. 9, 1961,

· 3076 - 3081

TEXT: The present work is a continuation of an earlier work, in which the authors showed that diethyleneimidovinylphosphonates and vinylthiophosphonates as well as esters of vinylphosphinic acid form addition compounds with mercaptans and alcohols to form corresponding ethyleneimides of alkylphosphinic and alkylthiophosphinic acids. In continuing the investigations, the authors studied the addition of secondary and primary amines to diethyleneimides of vinylphosphinic and vinylthiophosphinic acids. The amines used were diethylamine, ethyleneimine, piperidine, morpholine, dibenzy-

Card 1/3

27508 s/079/61/031/009/009/012 D215/D306

Diethyleneimides of ...

lamine and allylamine; they were found to add to imides of vinyl-phosphinic and vinylthiophosphinic acids to form imides of β -amino-ethylphosphonates and thiophosphonates, according to the following reaction:

$$\begin{array}{c} CH_2 = CH - P \left(N \left\langle \begin{matrix} CH_2 \\ I \\ CH_2 \end{matrix} \right)_2 + HNR_2 \longrightarrow R_2NCH_2CH_2P \left(N \left\langle \begin{matrix} CH_2 \\ I \\ CH_2 \end{matrix} \right)_2. \end{array} \right)$$

Diethylamine, piperidine and ethyleneimine readily combine at room temperature over a period of 1.5-2 days or at 40-50°C. for 4-5 hrs. Dibenzylamine and allylamine react in the presence of catalytic quantities of sodium alcoholate. In all cases it is advisable to use equimolecular quantities without a solvent. Addition of amines to the imides of the acids is more difficult than in the case of the addition of amines to neutral esters of the acids. The addition products of piperidine, morpholine and diethylamine with the imides of the acids were purified by vacuum distillation (10-4 mm); the products of the other amines decomposed on distilling. All di-

Card 2/3

27508 S/079/61/031/009/009/012 D215/D306

Diethyleneimides of ...

ethylene-imides of aminophosphonates and aminothiophosphonates were viscous, colorless liquids, soluble in benzene, chloroform, ether and alcohol and are stable at temperatures below 0°C. Prolonged storing at room temperature results in gradual polymerization which is due to the opening of the ethyleneimide rings and results in the production of linear polymers either without a phosphorus residue or with the phosphorus residue binding the main chains of the macromolecule. The compounds which were prepared and their properties are summarized in tabulated form. Preparation of compounds 1-7 and 9 was conducted at room temperature and of compounds 8, 10, and 11 at 80°C in the presence of sodium ethoxide. There are 2 tables and 3 Soviet-bloc references.

SUBMITTED: September 5, 1960

Card 3/3

27509

\$/079/61/031/009/010/012

D215/D306

15-8150

AUTHORS:

Petrov, K.A., Gavrilova, A.I., Shatunov, V.K., and

Korotkova, V.P.

TITLE:

Diethyleneimides of alkyl- and alkenylthiophosphinic

and phosphinic acids. I

PERIODICAL: Zhurnal obshchey khimii, v. 31, no. 9, 1961,

3081 - 3085

TEXT: The authors studied the properties of diethyleneimides of alkyl- and alkenylthiophosphinic and allylphosphinic acids, and investigated the addition of mercaptans and alcohols to diethyleneimides of vinylphosphinic and vinylthiophosphinic acids. Their aim was to prepare imidophosphonates and thiophosphonates containing ether and thioether groups in a radical bonded with phosphorus through carbon. Diethyleneimides of alkyl- and alkenylthiophosphinic and allylphosphinic acids were prepared by reacting the corresponding acid chlorides with ethyleneimine in dry benzene or ether

Card 1/3

27509 \$/079/61/031/009/010/012 D215/D306

Diethyleneimides of alkyl- ...

in the presence of a tertiary base (HCl acceptor) at 5-10°C according to the following reaction:

$$\begin{array}{c|c}
R - PC1_{2} \\
S(0) + 2HN
\end{array}$$

$$\begin{array}{c}
CH_{2} \\
-R_{3}N \\
-R_{3}N \\
-R_{3}N
\end{array}$$

$$\begin{array}{c}
R-P \\
S(0)
\end{array}$$

$$\begin{array}{c}
CH_{2} \\
CH_{2}
\end{array}$$

The products were colorless liquids, readily soluble in water and organic solvents; some of them crystallized on prolonged standing. Almost all the compounds distilled in vacuum, the one exception being the diethyleneimide of \$-chloroethylthiophosphinic acid which polymerizes at 100-102°C and 10-4mm pressure probably due to HCl splitting off which initiates spontaneous polymerization. The properties and yields of some of the prepared phosphinates and thiophosphinates are given in tabulated form. Diethyleneimides of vinylphosphinic and thiophosphinic acids form addition products with mercaptans and alcohols. With mercaptans the reaction occurs at 60°C and is complete in 14-15 hrs. or less if catalytic quantities of sodium alcoholate is present. Ethylmercaptan adds more

Card 2/3

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920003-3

PETROV, K.A.; GAVRILOVA, A.I.; KOROTKOVA, V.P.

Allylamides and ethyleneimides of phospheric, phosphinic, and phosphorous acids. Zhur.ob.khim. 32 no.3:915-920 Mr '62. (MIRA 15:3)

(Phosphorus acids)

PETROV, K.A.; GAVRILOVA, A.I.; KOROTKOVA, V.P.

Reactions of diethyleneimides of vinylphosphinic acid with dilakyl phosphites. Zhur.ob.khim. 32 no.6:1978-1981 Je *62. (MIRA 15:6) (Phosphinic acid) (Phosphorous acid)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920003-3

KOROTKOVA, V. F.

USSR/Medicine - Virus Diseases, Influenza

Mar 53

"Etiology and Laboratory Diagnosis of Influenza," A. A. Smorodintsev, N. S. Klyachko, T. Ya. Luzyanina, M. A. Morozenko, Ye. S. Shikina, I. A. Yuras, V. P. Korotkova, Div of Virology, Inst of Exptl Med, Acad Med Sci USSR; Inst of Epidemiol imeni Pasteur

"Zhur Mikrobiol, Epidemiol, i Immunobiol" No 3, pp 69-78

At present, the subtype A predominates in the USSR. The antigenic structure of A isolated during the past few years is polymorphic: it is necessary to supplement cross-neutralization by cross-adsorption of antibodies according to a new method developed by the authors. Smorodintsev's rapid method of diagnosing influenza by the reaction of complement fixation is effective in 50% of the cases on sputum examined during the first week after infection; it is less effective on serum. The reaction of hemoagglutination is effective in 40% of the cases when carried out under proper conditions with the use of human erythrocytes of the O group. It is necessary to produce and supply diagnostic preparations / literally "diagnostica" equally suitable for hemoagglutination and complement fixation (dry A, Al, and B diagnostica from cluates or infected chicken embryos); to provide dry purified anti-influenza horse sera suitable for both hemoagglutination and complement fixation; to supply from a central point through donor stations, human O-erythroctes.

PA 244T44

- 31 -

KOZHINA, I.S., KOROTKOVA, V.P.

Effect of certain preparations made from the leaves of Eucalyptus viminalis on the influence virus [with summary in English].

Antibiotki 3 no.4:41-46 Jl-Ag '58 (MIRA 11:10)

1. Institut eksperimental now meditsiny AME SSSR (Leningrad)
(VIRUSES, RFFECT OF DRUGS OE)
(RUGALYPTUS)
(INFLUENCE)

STATES THE STATE OF THE STATES OF THE STATES

41623

S/205/62/002/005/010/017 D268/D308

27.1220

Stashkov, A.M., and Korotkova, V.P.

TITLE:

AUTHORS:

The reflection in EEG of functional disturbances in the central nervous system under irradiation and

sympathectomy

PERIODICAL: Radiobiologiya, v. 2, no. 5, 1962, 719 - 725

TEXT: In continuation of earlier work, EEG analyses were made of changes in the functional condition of the central nervous system in rabbits, 53 of which had the superior cervical sympathetic ganglions removed, followed by x ray irradiation (at 1,000 r) 1, 4 and 8 weeks later. EEG of 27 controls were also carried out. The results showed irreversible EEG changes in the form of a persistent depression of the amplitude of the biological current in the cortex and hypothalamic region in animals subjected to sympathectomy, a similar phenomenon being noted in intact animals. No pathological EEG changes were noted in intact rabbits given mercamine at 150 mg/kg intra-abdominally. It is suggested that the sympathetic nervous system participates in the protective chemical reactions to irradia—Card 1/2

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824920003-3

The reflection in EEG of ...

S/205/62/002/005/010/017 D268/D308

tion, and that the protective activity of mercamine is disrupted following the removal of the superior cervical sympathetic ganglions. There are 5 figures and 15 references.

ASSOCIATION: Institut eksperimental noy meditsiny AMN SSSR, Lenin-

grad (Institute of Experimental Medicine, AMS USSR, Leningrad)

SUBMITTED: October 30, 1961

Card 2/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920003-3

ARBUZOV, S.Ya.; STASHKOV, A.M.; KOROTKOVA, V.P.

Effect of ionizing radiations and certain chemical protective

agents on physical endurance in animals. Farm. i tcks. 23 no. 5:459-464 S-0 '60. (MIRA 13:12)

l. Otdel radiobiologii (zav. - prof. S.Ya. Arbuzov) Institut eksperimental'noy meditsiny AMN SSSR. (RADIATION-PHYSIOLOGICAL EFFECT) (RADIATION PROTECTION)

ARBUZOV, S.Ya.; STASHKOV, A.M.; KOROTKOVA, V.P.

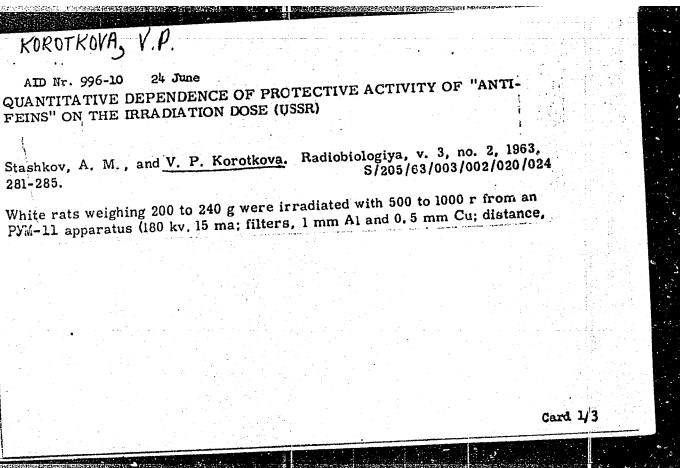
Comparative data on the protective and therapeutic effect of the derivatives of diamides of imidazoledicarboxylic acids in radiation injury. Radiobiologiia 1 no.31385-393 '61. (MIRA 14:10) (IMIDAZOLEDICARBOXILC ACID) (RADIATION PROTECTION)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920003-3"

KOROTKOVA, V.P.; STASHKOV, A.M.

Chemical prophylaxis of radiation injuries in different species of animals. Radiobiologiia 2 no.6:903-906 62 (MTRA 16:11)

1. Institut eksperimental noy meditsiny ANN SSSR, Leningrad.



AID Nr. 996-10 24 June

QUANTITATIVE DEPENDENCE OF PROTECTIVE ACTIVITY [Cont'd]

s/205/63/003/002/020/024

ď 800 60 300 1000 400 500 800 700 800

Changes in the protective effect of allylnorantifein with x-irradiation doses ranging from 500 to 1000 r.

1 - refractory phase; 2 - activation phase; 3 - depression phase

40 cm; dosage, 41 r/min). Preparations of antifein, ethylnorantifein, and allylnorantifein were injected subcutaneously 30 min before exposure. Survival rate, life span, changes in the body weight, the composition of peripheral blood, and the general condition of the animals served as criteria for the biological effect of irradiation and for the prophylactic activity of the protectors. The observation period was 30 days. The preparations were most effective with irradiation doses of 700 to 800 r:

antifein increased the survival rate by 36%, ethylnorantifein by 33%, and allylnorantifein by 55%. With increased irradiation doses the protective effect of the preparations decreased and finally disappeared. Injection of allylnorantifein 30 min before total-body irradiation with 800 r increased the survival card 2/3

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824920003-3"

AID Nr. 996-10 24 June

QUANTITATIVE DEPENDENCE OF PROTECTIVE ACTIVITY [Cont'd]

5/205/63/000/002/020/024

rate of the animals (53% with a dose of 25 mg/kg, and 33% with a dose of .50 mg/kg). With an irradiation dose of 800 r the effectiveness of allylnor-antifein (25 mg/kg) decreased to 29%; with a dose of 50 mg/kg it was ineffective. With an irradiation dose of 800 r the preparations (derivatives of diamides of imidazoldicarboxylic acids) increased the life span of the rats to 12 days on the average, as compared with 8 to 9 days of the controls. The life span of the test animals subjected to 500 r was similar to that of the controls (14 days). The data obtained indicate that the protective effect of s group of chemical compounds depends on the irradiation dose; it increased with increasing irradiation dose to a certain optimum level, and decreased when the irradiation dose deviated from the optimum level (either higher or lower). The preparations are most effective against irradiation doses when the mortality rate in the control group ranges from 50 to 80% (i. e., about 800 r). They are least effective or ineffective against low radiation doses.

Card 3/3

AR/K AFFTC/AMD/ASD ENT(1)/ENT(m)/BDS 5/0205/63/003/004/0603/0611 ·L 13329-63 AP3003939 ACCESSION NR:

AUTHOR: Korotkova, V. P.; Ry*zhekov, V. Ye.; Stashkov, A. M.

TITIE: Change in the concentration of 17-oxycorticosteroids and hematological indices in dogs after the application of certain chemical protective means and irradiation | 4

SOURCE: Radiobiologiya, v. 3, no. 4, 1963, 603-611

TOPIC TAGS: radiation sickness, ACTH, 17-oxycorticcsteroid, adrenocorticotrophic hormone, mercamine, adrenal cortex, antiradiation treatment

ABSTRACT: The pathogenesis and chemical prophylaxis of radiation demage in dogs have been investigated on the basis of functional changes in the edrenal cortex. Several days after an absolute lethal dose (700 r), the concentration of 17oxycorticosteroids in the peripheral blood plasma first exhibited a decrease, then a buildup, and finally in the terminal period a leveling off above normal. The immediate reaction of the adrenal cortex to the introduction of ACTH was to memain normal throughout all stages of radiation sickness, indicating the retention of reserve powers. The decrease in the concentration of 17-oxycorticosteroids in animals whose suprarenal glands have been screened against irradiation was Card 1/2

L 13329-63 ACCESSION NR: AP3003939

not as pronounced as in the case of unshielded animals. The reaction to ACTH in the case of the former remained within normal bounds. No substantial differences were observed in the concentration of 17-oxycorticosteroids in animals who had received mercamine (75 mg/kg) and "antifein" (15 mg/kg); the reaction to ACTH in these cases was more pronounced. The results indicate the participation of the hypophysis-adrenal cortex system in the pathogenesis and pharmocological prophylaxis of radiation damage. It is concluded that a change of eosinophils after the introduction of ACTH cannot be used in the evaluation of the functional condition of the adrenal cortex. Orig. art. has: 1 table and 4 figures.

ASSOCIATION: Institut eksperimental noy meditsiny* AMN SSSR (Institute of Experimental Medicine, AMN SSSR)

SUBMITTED: 21Ju162

IATE ACQ: 15Aug63

ENCL: 00

SUB CODE: AM

NO REF SOV: 021

OTHER: 025

Card 2/2

L 10116-63

ENT(1)/EWT(m)/BDS/ES(b) AFFTC/ASD

ACCESSION NR: AP3000260

s/0241/63/003/005/0079/0082

AUTHOR: Stashkov, A. M.; Korotkova, V. P. (Leningrad)

TIME: Protective and therapeutic effects of the synergistic action of

effective substances on radiation sickness in animals

SOURCE: Meditsinskaya radiologiya, no. 5, 1963, 79-82

TOPIC TAGS: radiation sickness, cystamine, purine, pyrimidine compounds, pyridoxin, narcotic drugs, protective effects

TEXT: The effect of various combinations of cystamine, purine and pyrimidine compounds, pyridoxin (vitamin B sub 6), and narcotic drugs on radiation sickness in animals was studied for 30 days in white mice (rale) weighing 18 to 20 g. The animals were subjected to x-irradiation with 700 r from an RUM-11 apparatus at 41.4 r/min. The highest protective effect was obtained by an intraperitoneal injection of 150 mg/kg cystamine 30 min before exposure, followed by a subcuteneous injection of 50 mg/kg antifein immediately after exposure (56% survival rate). An injection of 150 mg/kg cystemine

Card 1/2

L 10116-63

ACCESSION NR: AP3000260

30 min before exposure followed by an injection of 50 mg/kg antifein immediately after exposure and intraperitoneal injections of vitamin B(1 mg/kg) for seven consecutive days after exposure resulted in a 60% survival rate. The narcotic drug barbamyl (100 mg/kg) inhibited the effect of antifein (20% survival rate), whereas chloral hydrate (also a narcotic drug), injected in a dose of 300 mg/kg immediately after exposure, increased the protective effect of antifein (100 mg/kg), resulting in a 50% survival rate. The data obtained indicate that the effectiveness of the preparations used depends on their chemical nature, dose, time, and sequence of administration. Activation and inactivation of the protective substances may occur simultaneously in the animal organism. Orig. art. has: 3 tables.

ASSOCIATION: none

SUBMITTED: 0029

DATE ACQ: 12Jun53

ENCL: 00

SUB CODE: 00

NO REF SOV: 000

OTHER: 000

Card 2/2

ACCESSION NR: AP4043218

S/0205/64/004/004/0594/0598

AUTHOR: Korotkova, V. P.; Stashkov, A. M.

TITLE: Role of the adrenals in reactions to radiation with the use of radioprotective chemicals

SOURCE: Radiobiologiya, v. 4, no. 4, 1964, 594-598

TOPIC TAGS: radiation protection, adrenal gland, immunology, mouse, rat, adrenalectomy, endocrinology, mercamine, antifein

ABSTRACT: The role of the adrenal glands in radiation sickness has been demonstrated by many authors. However, few studies have been undertaken to determine the mechanism of the adrenals associated with chemical prophylaxis against radiation sickness. To investigate this, mice (18-22 g) and rats (180-200 g) were lightly anesthetized, and both adrenals were removed through the lumbar region. Mice were exposed to 700-800-r whole body radiation while rats received 600-800 r from the 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 13th, and 30th day following adrenalectomy. Mercamine was intraperitoneally administered to both experimental and control animals 30 min prior

STASHKOV, A.M.; KOROTKOVA, V.P.

Radioprotective properties of pharmacological preparations with neurotropic effect from the antiffeine group. Farm. i toks. 27 no.1:73-76 Ja-F 164.

1. Otdel radiobiologii (zav. - prof. S.Ya. Arbuzov) Instituta eksperimental'noy meditsiny AMN SSSR.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920003-3"

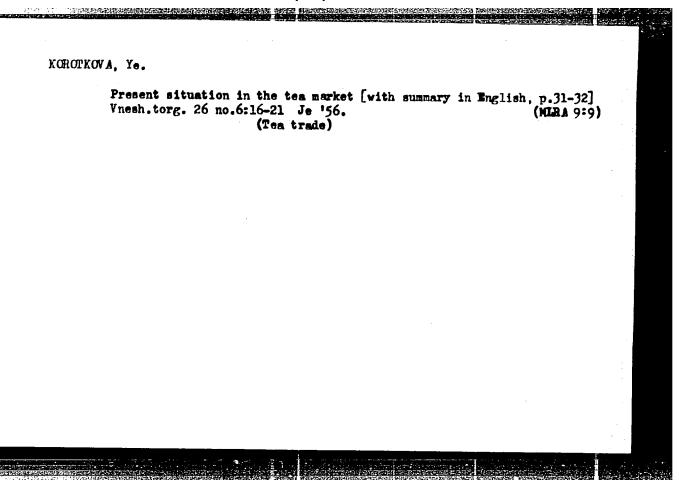
KOROTKOVA, V.S., insh.; ZAYTSEVA, V.A., starshiy tekhnik

Methods of evaluating the printing properties of paper.

Bum.prom. 35 no.3:13-15 Mr '60. (MIRA 13:6)

1. Kontrol'no-tekhnicheskaya laboratoriya Moskovskoy tipografii "Gosnak".

(Paper) (Printing)



EEKMUKHAMETOV, Yerkebulat Bekmukhametovich; POHOMAREV, V.D., akademik, otv. red.; KOROTKOVA, Ye.A., red.

[Nonferrous metallurgy and mining in prerevolutionary Kazakhstan] TSvetnaia metallurgiia i gornoe delo dore-voliutsionnogo Kazakhstana. Alma-Ata, Izd-vo AN Kaz.SSR, 1964. 314 p. (MIRA 17:5)

1. Akademiya nauk Kazakhskoy SSR (for Ponomarev).

SIMORIN, Aleksey Mikhaylovich; BYKOVA, M.S., kandidat geologo-mineralogicheskikh nauk, otvetstvennyy redsktor; KOZLOVA, I.V., redsktor; KOROTKOVA, Ye.A., redsktor; ROROKINA, Z.P., tekhnicheskiy redsktor

[Stratigraphy and Brachiopods of the Karaganda Besin] Stratigrafila
i brakhiopody Karagandinskogo basseina. Alma-Ata, Ind-vo Akademii
nauk Kavakhakoi SSR, 1956. 299 p. (MIRA 10:1)

(Karaganda Besin-Brachiopoda, Yossil)

KUZNETSOVA, Zoya Vladimiravna; GLADYSHNVA, Ye.H., kand.geograf.mauk, etv.red.; KOROTKOVA, Iz.A., red.; ROHOKINA, Z. P., tekhn.red.

[Pavlodar Province; ecomenic and geographical characteristics]
Favlodarskaia eblast; ekonomike-geograficheskaia kharakteristika.

Alma-Ata, Isd-vo Akad. nauk Kasakhakoi SSR, 1958, 179 p.

(Pavledar Province--Economic conditions)

PAL'GOV, Nikoley Nikitich; KOROTKOVA, Ye.A., red.; ROROKINA, Z.P., tekhn.red.

[Rivers of Kasakhstan; a study in physical geography]
Reki Kasakhstana; fisiko-geograficheskii ocherk. Alma-Ata,
Isd-vo Akad.nauk Kasakhskoi SSR, 1959. 97 p. (MIRA 12:6)

(Kasakhstan--Rivers)

GLADYSHEVA, Yekaterina Nikolayevna; SEMENOVA, M.I., otv.red.; KOROTKOVA, Ye.A., red.; GASHINA, Ye.A., tekhn.red.

[North Kasakhstan Province; economic and geographical characteristics] Severo-Kazakhstanskaia oblast; ekonomiko-geograficheskaia kharakte-ristika. Alma-Ata, Isd-vo Akad.nauk Kasakhskoi SSR, 1959. 184 p.
(MIRA 12:11)

(North Kasakhstan Province -- Economic conditions)

BAHBOT DE MARNI, Arseniy liktorovich, kand.geologo-mineral.nauk; BCK.

I.I., otv.red.; KCRC.rev.; Ve.A., red.; SHEVCHUK, T.I., red.;

ALTEROVA, P.F., tekhn.red.

[Deposits of basic building materials in northern Kazakhstan
(in regions of virgin and waste lands); explanatory notes,
cadastral survey, and a mapl Mestoroshdoniia osnovnykh stroitel'nykh materialov v severnoi chasti Kazakhstana (v raionakh
tselianykh i saleshaykh semel'); ob issnitel'naia sapiska i
kadastr s kartoi. Alma-Ata, Isd-vo Akad.nauk Kazakhskoi SSR,
1960. 375 p. (MIRA 13:5)

(Kazakhstan--Building materials)

SEMENOVA, Margarita Ivanovna; POPOLZIN, A.G., kand. geogr. nauk, otv. red.

KOROTKOVA, Ye.A.; red.; PROKHOROV, V.P., tekhn. red.; ALFEROVA, P.F.,

tekhn. red.

[Dshambul Province; nature, population and economy] Dshambul'skaia
oblast'; priroda, naselenie i khosiaistvo. Alma-Ata, Isd-vo Akad.
nauk Kazakhakoi SSR, 1961. 216 p. (MIRA 14:7)

(Dshambul Province--Geography)

SYROMYATNIKOV, Nikolay Grigor'yevich; NOVOKHTSKIY, I.P., otv. red.; KOROTKOVA, Ye.A., red.; ROROKINA, Z.P., tekhn. red.

[Micgration of uranium, radium, and throim isotopes and interpretation of radioactive anomalies] Migratsiia izotopov urana, radiia i toriia i interpretatsiia radioaktivnykh anomalii. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1961. 77 p. (MIRA 15:2)

(Radioactive prospecting) (Uranium ores)

KUZNETSOVA, Zoya Vladimirovna; KURITSYN, Igor' Ivanovich; OSORGIN,
A.V., retsenzent; NAZARENKO, I.M., retsenzent; GLADYSHEVA,
Ye.N., otv. red.; POFOVA, G.Z., otv. red.; KOROTKOVA, Ye.A.,
red.; ALFEROVA, P.F., tekhn. red.

[Semipalatinsk Province: economic and geographical features]
Semipalatinskaia oblast'; ekonomiko-geograficheskaia kharakteristika. Alma-Ata, Izd-vo AN KazSSR, 1961. 213 p.

(MIRA 15:7)

(Semipalatinsk Province—Economic geography)

SADYKOV, Anil' Mirzagainovich; EORUKAYEV, R.A., akademik, otv. red.;
KOROTKOVA, Ye.A., red.; BRAILOVSKAYA, M.Ya., red.;
ROROKINA, Z.P., tekhn. red.

[Middle Paleozoic bivalve mollusks in the Atasu region (central Kazakhstan)]Srednepaleozoiskie dvustvorchatye molliuski Atasu; TSentral'nyi Kazakhstan. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 98 p. (MIRA 16:2)

1. Akademiya nauk Kazakhskoy SSR (for Borukayev).
(Atasu region-Mollusks, Fossil)

MATYSHUK, Igor' Vladimirovich; ZYKOV, D.A., akademik, otv. red.; KOROTKOVA, Ye.A., red.; KHUDYAKOV, A.G., tekhn. red.

[Tillage and fertility of Chestnut soils in central Kazakhstan] Obrabotka i plodorodie kashtanovykh pochv TSentral'nogo Kazakhstana Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 164 p. (MIRA 15:12)

1. Akademiya nauk Kazakhskoy SSR (for Zykov). (Kazakhstan—Soils)

BORUKAYEV, R.A., akademik, red.; KOROTKOVA, Y e.A., red.; BRAILOVSKAYA, M.Ya., red.; IVSHIN, N.K., kand.geol.-mineral.nauk, zamestitel' red.; KHUDYAKOV, A.G., tekhn.red.

[Areal geology; geology of the Chingiz geanticlinal zone (central Kazakhstan)]—Regional'naia geologiia; geologiia Chingizskoi geoantiklinoronoi zony (TSentral'nyi Kazakhstan).

Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 165 p.

(Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut geologicheskikh nauk. Trudy, vol.5).

(MIRA 16:2)

KOROTKOVA, Ye.I.

Developmental dynamics of the Askaniya-Nova Preserve fescue-stipa steppe as related to weather condition. Bot.zhur. 42 no.6:889-902 Je 157. (MIRA 10:7)

1. Botanicheskiy institut imeni V.L. Komarova Akademii nauk SSSR, Leningrad.

(Askaniya-Nova preserve--Steppe flora)

UGAY, Ya.A.; KOROTKOVA, Ye.I.

Interaction between copper and sinc under nonequilibrium conditions. Trudy VGU 57:31-37 '59. (MIRA 13:5) (Copper) (Zim)

DAVIDSON, A.G.; DATLIN, S.V.; KIRICHENKO, G.A.; KOROTKOVA, Ye.N.;

KRAVCHENKO, D.V.; ORLOVA, A.S.; ADADURCVA, A.A.; ARKAD'YEV,

V.G.; BARDINA, Yu.Ya.; BODYANSKIY, V.L.; BONDAREV, S.N.;

GLAZACHEV, M.V.; DAVYDOVA, E.A.; IVANOV, V.N.; KARPUSHINA,

V.Ya.; KREKOTEN', L.P.; LANDA, R.G.; LEVITSKAYA, G.O.; LIPETS,

Yu.G.; LOGINOVA, V.P.; ONAN, E.S.; PEGUSHEV, A.M.; PYKHTUNOV,

N.V.; TOKAREVA, Z.I.; KHUDOLEY, V.F.; MILOVANOV, I.V., red.;

MIKAELYAN, E., red.; MUKHIN, R., red.; SVANIDZE, K., red.;

KLIMOVA, T., tekim. red.

[Africa today; concise reference book on politics and economic conditions] Afrika segodnia; kratkii politiko-ekonomicheskii spravochnik. Moskva, Gos. izd-vo polit. lit-ry, 1962. 326 p.

(Africa--Folitics)

(Africa--Economic conditions)

THE CONTRACT OF THE PROPERTY O

KIRICHENKO, G.A., kand.ekonom.nauk; KOROTKOVA, Ye.N.

"The raw material resources of Africa, 1913-1958" by A.IU.Shpirt.
Reviewed by G.A.Kirichenko, E.M.Korotkova. Vest.AN SSSR 33
no.2:134-136 F '63. (MIRA .6:2)

(Africa—Raw materials)

(Shpirt, A.IU.)

held at the vocational-technical schools. The Saratov Technical School Nr 4 already has some experience in this field. There has been an evening class department for training electricians, crane and refrigerating plant operators, stokers and workers in other trades for the past 3 years. Evening class departments already exist at the Technical School Nr 5 for Cement Workers in Vol'sk and Technical School Nr 3 in Saratov. Such departments could be opened at Technical School Nr 35 for sewing industry workers in Saratov, and at Technical School Nr 37 for electricians in Marks. In order to train girls in

Card 1/2

A Broader Road to Vocational Evening Classes

SOT/27-59-2-7/30

vocational-technical schools, the number of professions taught should be increased. The present form of State aid for students at vocational-technical schools should be revised. Schools should be placed on a partial self-supporting basis by expanding production of apprentice workshops. Mechanization schools could easily accept orders from kolk-hozes and sovkhozes for tractor and combine repair, etc. The author stresses the need for supplying the schools with highly qualified craftsmen and instructors and for better organized brigade and individual training in the plants and factories.

ASSOCIATION:

Saratovskoye oblastnoye upravleniye trudovykh rezervov (Saratov Oblast: Administration of Labor Reserves).

Card 2/2

KOROTNEV, S.

Closer to the demands of life. Prof.-tekh.obr. 17 no.3:10 Mr (MIRA 13:6)

1. Nachal'nik Saratovskogo oblastnogo upravleniya professional'notekhnicheskogo obrasovaniya.
(Saratov Province--Technical education)

一个人就是这些人的,我们就是我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就会会会会会会

KOROTNYAN, V. S.; ERSHON, R. A.

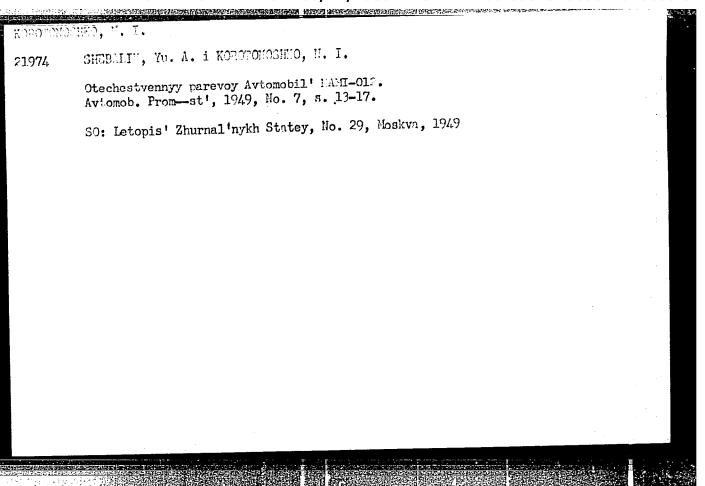
Efficient network systems within a collective farm taking into account the future increase in consumers' needs. Izv. AN Mold. SSR no.9:17-23 '62. (MIRA 16:1)

(Moldavia-Rural electrification)

KOROTONOSHKO, N. I. Cand. Tech. Sci.

Bissertation: "Investigation of the Motion of an Automotive Vehicle with Two Driving Axles and Blocked Drive." Sci Res Automobile and Automotive Inst - "NAMI" 2 Jul 47.

S0: Vechernyaya Moskva, Jul, 1947 (Project #17836)



Tenting Mani-Ol2 Steem-driven motor vehicle. Korotonoshka, M. (Avtembil (Automobile), June 1951, 32-25.

KOROTOMOSHKO, N. I. USSR/Miscellaneous - Books Pub. 12 - 11/12 Card 1/1 * Korotonoshko, N. I.; Kulikov, N. K.; Khanin, N. S.; Tarutin, A. A.; and Rutenberg, G. M. Authors Title ! Critique and bibliography Periodical # Avt. trakt. prom. 4, 31-33, Apr 1954 Critical review of reports written by different authors, dealing in Abstract automotive and metallurgical technology. : Scientific Research Institute of Machine Construction Institution Submitted

USSR/Engine	erin(g - Heasuring instruments	
Card 1/1		Pub. 12 - 10/16	
Authors		Korotonoshko, N. I.	
Title	t	The mechanism of a unilateral-drive odometer	
Periodical	1	Avt. trakt. prom. 6, 27-28, June 1954	
Periodical Abstract	1	Avt. trakt. prom. 6, 27-28, June 1954 A unilateral-drive odometer, constructed by the Scientific Automotive Institute, is described. The above mentioned instrument is constructed in such a manner that it registers the distance transversed by a vehicle irregardless of its direction. Illustrations; drawings.	e
	1	A unilateral-drive odometer, constructed by the Scientific Automotive Institute, is described. The above mentioned instrument is construct- ed in such a manner that it registers the distance transversed by a	E
Abstract	:	A unilateral-drive odometer, constructed by the Scientific Automotive Institute, is described. The above mentioned instrument is construct- ed in such a manner that it registers the distance transversed by a	

WODOTONOSHKO, N.I., kandidat tekhnicheskikh nauk; MAZALOV, N.D., kandidat tekhnicheskikh nauk; TRUSOV, S.M.

> Stand testing of ene-stage four-wheel hydraulic transmission systems. Avt.i trakt.prom.no.12:14-17 D 56. (MIRA 10:2)

1. Mauchno-issledovatel skiy avtomobil nyy institut. (Automobiles-Transmission devices)

CIA-RDP86-00513R000824920003-3" **APPROVED FOR RELEASE: 06/14/2000**

KOROTOMOSHKO, Mikolay Ivanovich; CHAMOV, A.M., inzh.red.; LEZHNEVA, Ye.I., red.lzd-va; HODEL', B.I., tekhn.red.; EL'KIND, V.D., tekhn.red.

[Automobiles for difficult terrain] Avtomobili vysokoi prokhodimosti. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 227 p. (MIRA 11:3)

(Automobiles) (Tractors)

KOROTONOSHKO, N.I., kand.tekhn.nauk

Weight parameters and overall cizes of motor vehicles. Avt.prom. 31 no.4:32-33 Ap 65. (MIRA 18:5)

1. TSentral nyy ordena Trudovogo Krasnogo Znakeni nauchno-issledo-vatal skly avtomobil nyy i avtomotornyy institut.

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AUTHOR:

Korotov, A.T. (Khabarovsk)

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TITLE:

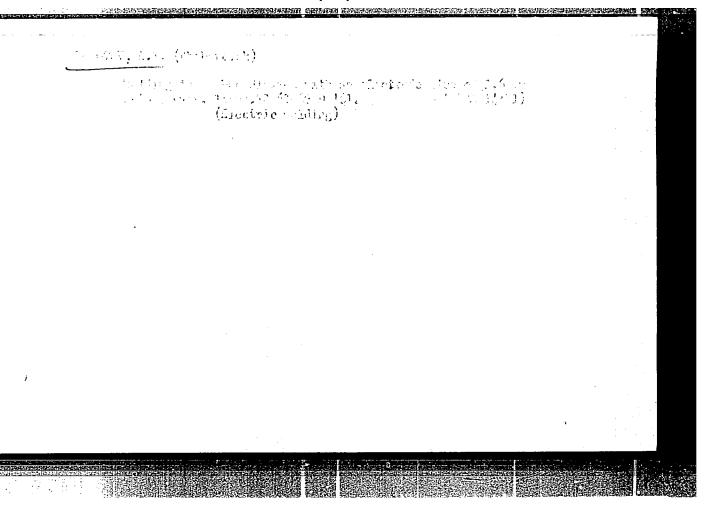
All-position CO2-shielded welding with 1.6 mm wire

Avtomaticheskaya svarka, no. 12, 1961, 61-67 PERIODICAL:

TEXT: The author describes experiments which showed that semiautomatic CO2 welding of vital carbon- and low-alloy-steel structures with the use of 1.6 mm electrode wire may be successfully applied in all possible welding positions. Hitherto, wire of 1.6 mm and larger diameters could be used only for nonvital structures and in the downhand position, because of the possible appearance of cracks in the craters of the first bead in butt welds, spatter, and the excessive size of the pool. The article gives details of the new techniques developed for successful all-position welding. In the experiments Cr. 3 (St. 3), Cr. 4 (St. 4) and CXJ-4 (SKhL-4) steels of 12 mm thickness were welded with 3-08! 2CA (Sv-08G2SA) wire, a semiautomatic ΠU -54(PSh-54) welder, and CO2 for shielding. A welding nozzle designed by the Khersonskiy sudostroitel nyy zavod (Kherson Shipbuilding Plant) was used after slight adaptation. A Fe-500 (PS-500) welding transformer was used in all experiments; although the best results were obtained with a NCM-1000 (PSM-1000). of the latter did not result in a stable welding process when several welders

Card 1/2

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KOROTOV, M.G.

The main thing in a correct organisation of preventive and routine repair work. Gor.khos.Kosk.30 no.6:28-29 Je '56. (MLRA 9:9)

1.Upravleniye po ekspluatatsii vysotnykh domov. (Elevators)

KOHNEYEV, Grigoriy Kus'mich, kand.tekhn.nauk; KOROTOV, Mikhail Grigor'yevich, inzh.; MOTSOKHEYE, Iosif Savel'yevich, Inzh.; ZHDANOV, Boris Vladimirovich, insh. [deceased]; BURAGO, M.Ya., insh., retsensent; PROZOROV, B.I., insh., red.; SIROTIE, A.I., inzh., red.isd-va; MODEL', B.P., tekhn.red.

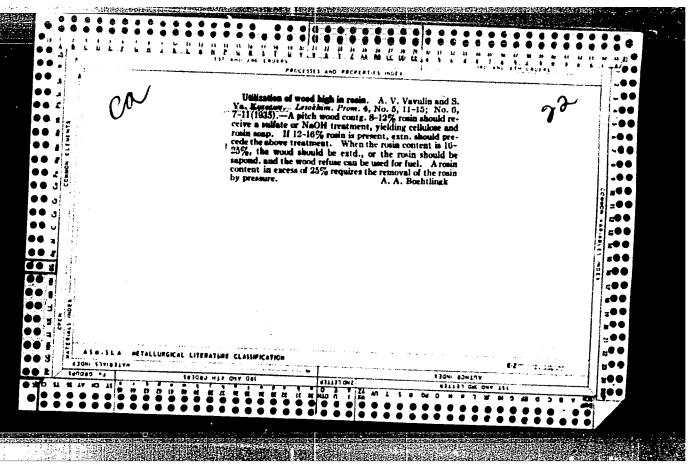
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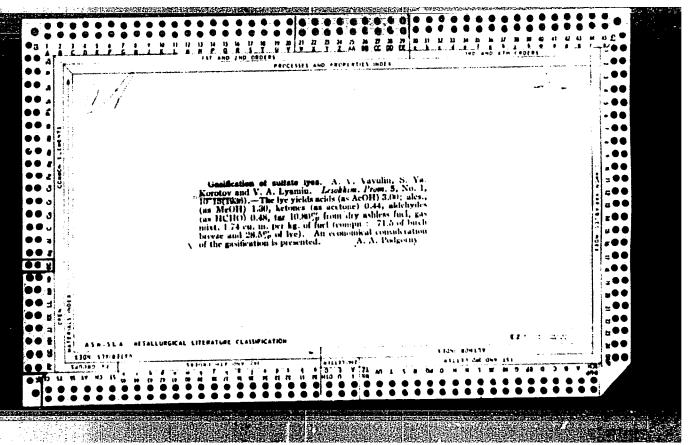
[Passenger and freight elevators] Lifty passashirskie i gruzovye.

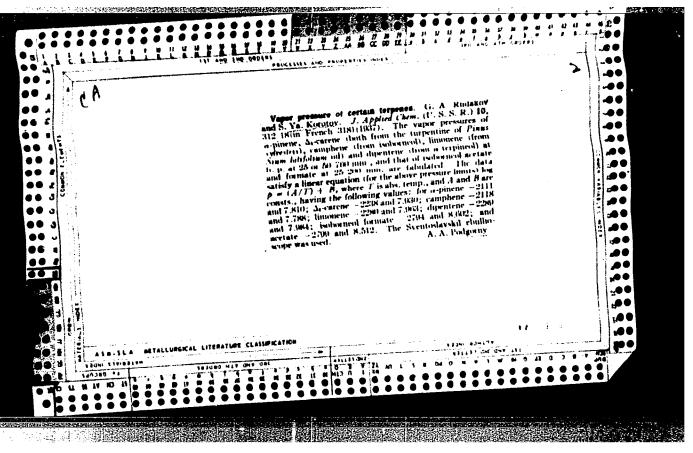
Moskva. Gos. nauchno-tekhn.isd-vo mashinostroit. lit-ry. 1958.

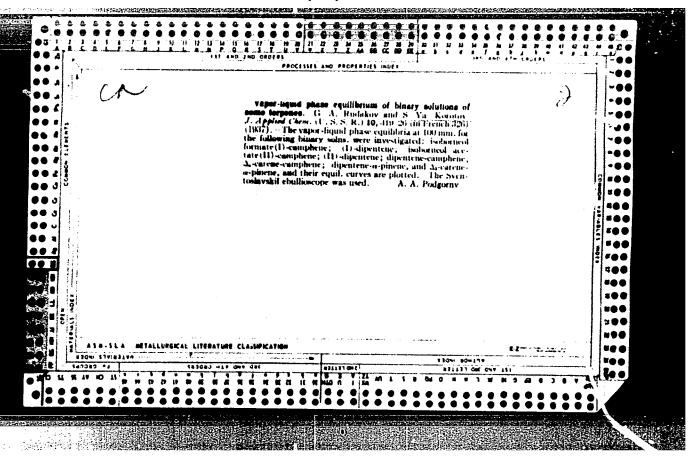
(MIRA 12:2)

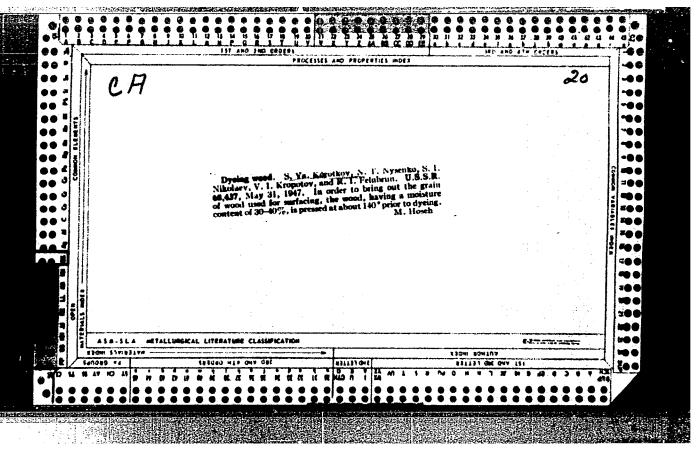
(Elevators)

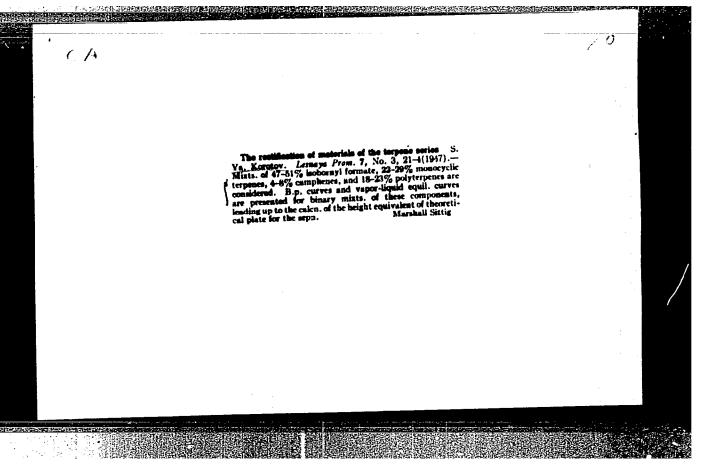












DEREVYAGIN, A.A. [deceased]; KOROTOV, S.Ya., redaktor; VOLKHOVER, R.S., tekhnicheskiy redaktor

[Calculations in wood chemistry] Raschety v lesokhimii. Moskva, Goslesbumizdat. Pt. 3.[Absorption and extraction processes for extracting acetic acid from aqueous solutions] Absorbtsionnye i ekstraktsionnye proteessy isvlecheniia uksusnoi kisloty iz vodnykh rastvorov. 1952. 300 p. [Microfilm] (MIRA 7:10) (Wood--Chemistry) (Acetic acid)

KOROTOV, S.Ya., professor.

Precise graphic method for determining the average amount of residues in periodic rectification. Der.i lesokhim.prom. 2 no.10:15-16 0 153.

(MIRA 6:9)

1. Arkhangel'skiy lesotekhnicheskiy institut.

(Wood distillation)

KOROTOV, S.Ya., professor. (Reviewer)

An inferior textbook: "Chemistry of terpenes and resinous acids.

A textbook for schools of higher learning of the forest and lumber industry." V.M.Wikitim. Reviewed by S.IA.Korotev. Der.i lesokhim. prom. 3 no.4:30-31 Ap *54.

(MIRA 7:5)

(Wikitim, V.M.) (Gume and resins) (Terpenes)

CONTROL OF THE CONTRO

Theory of calculations for "evaporative" columns. Der.i lesokhim. prom. 3 no.9:11-14 S '5h. (MEMA 7:9)

1. Arkhangel'skiy ordena Trudovogo Krasnogo Enameni lesotekhnicheskiy institut im. V.V.Enybysheva. (Gums and resine)

KOROTOV, S.Ya., professor. A useful book ("Foam method for processing gases and liquids." M.B.Posin and others. Reviewed by S.IA.Korotov). Gidrolis.i lesokhim.prom. 9 no.5:31 '56. (MERA 9:11) (Gases) (Liquids) (Chemical engineering—Apparatus and supplies) (Fosin, M.B.)

KOROTOV, S.Ya.; VYRODOV, V.A.; TIME, Ye.V.

Recovery of acetic acid from vapor and gas products by means of hot water. Gidroliz.i lesokhim.prom. 13 no.6:3-5 '60. (MIRA 13:9)

1. Vsesoyuznyy zaochnyy lesotekhnicheskiy institut.
(Acetic acid) (Wood--Chemistry)

KOROTOV, S.Ya.; KIPRIANOV, A.I.

Coefficient of friction of a vapor-liquid mixture. Gidroliz.1 lesokhim.prom. 15 no.619-10 '62. (MIRA 1519)

1. Lesotekhnicheakaya akademiya im. S.M.Kirova. (Hydrolysis) (Fluid dynamics)

KORYAKIN, Vladimir Ivanovich; KOROTOV, S.Ya., red.; FILIMONOVA, A.I., red.izd-va; VDOVINA, V.M., tekhn. red.

[Thermal decomposition of wood] Termicheskoe razlozhenie drevesiny. Izd.2. perer. i dop. Moskva, Goslesbumizdat, 1962. 293 p. (Wood distillation)

· VICTORIES DE SONT DE CONTRE LE CONTRE DE SONT DE CONTRE DE CONTR

KOROTOV, S.Ya.; VYRODOV, V.A.; ZHURAVLEV, P.I.

Adoption of the continuous method of saponification of isobornyl formate. Gidroliz. i lesokhim. prom. 16 no.4:16-18 '63. (MIRA 16:7)

1. Vsesoyuznyy zaochnyy lesotekhnicheskiy institut (for Korotov, Vyrobov). 2. Gor'kovskiy kanifol'no-terpentinnyy zavod (for Zhuravlev).

(Isoborneal) (Saponification) (Camphor)

KOROTOV, S.Ya.; LIVEROVSKIY, A.A.; KIPRIANOV, A.I.; VYAL'YAK, K.E.

Distillation of pyrogenic wood tar in tubular furnaces.
Gidroliz. 1 lesokhim. prom. 14 no.8:7-8 '61. (MIRA 16:11)

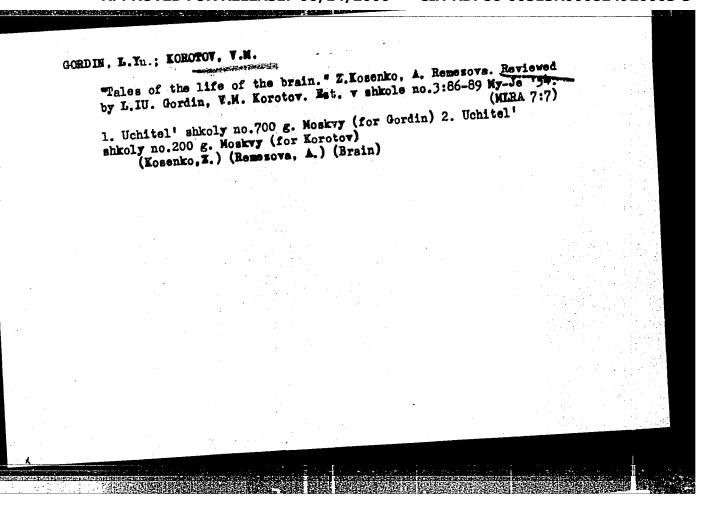
1. Leningradskaya lesotekhnicheskaya akademiya im S.M. Kirova
(for Korotov, Liverovskiy, Kiprianov). 2.Slantsepererabatyvayushchiy kombinat im. V.I.Lenina (for Vyal'yak).

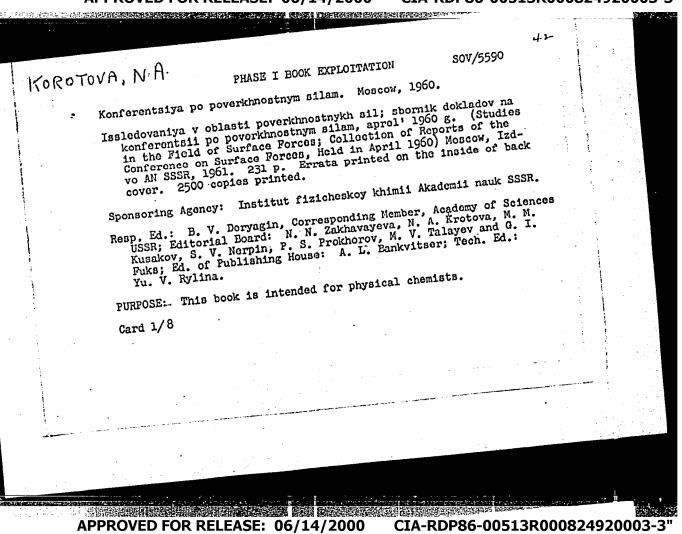
MAGOMAYEVA, G.I.; KOROTOV, S.Ya.

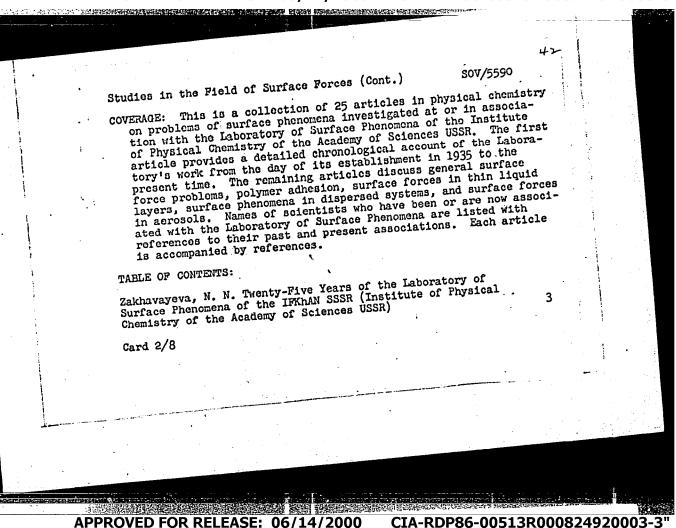
Phase equilibrium of the three-component system isoborneol formate-formic acid-water. Gidroliz. i lesokhim. prom. 17 no. (MIRA 17:10)

1. Vaesoyuznyy zaochnyy lesotekhnicheskiy Institut (for Magomayeva).

2. Lemingradskaya lesotekhniceskaya akademiya (for Korotov).



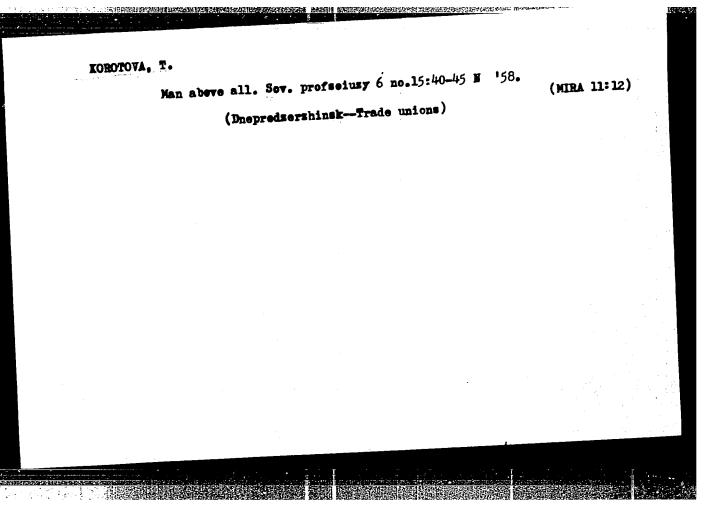




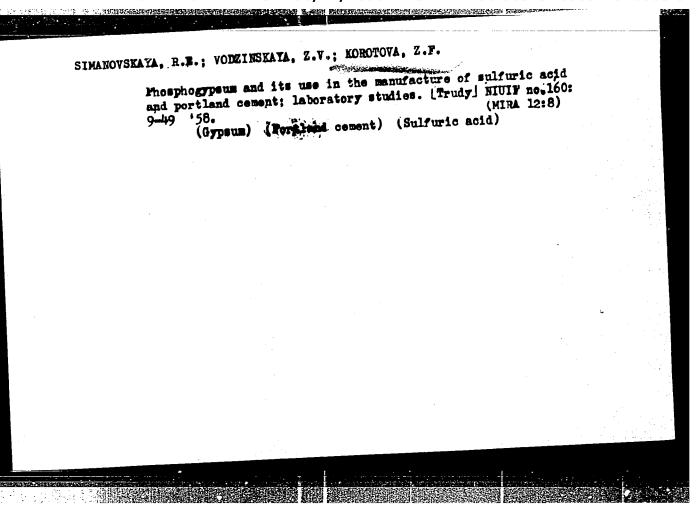
CIA-RDP86-00513R000824920003-3" **APPROVED FOR RELEASE: 06/14/2000**

		42		
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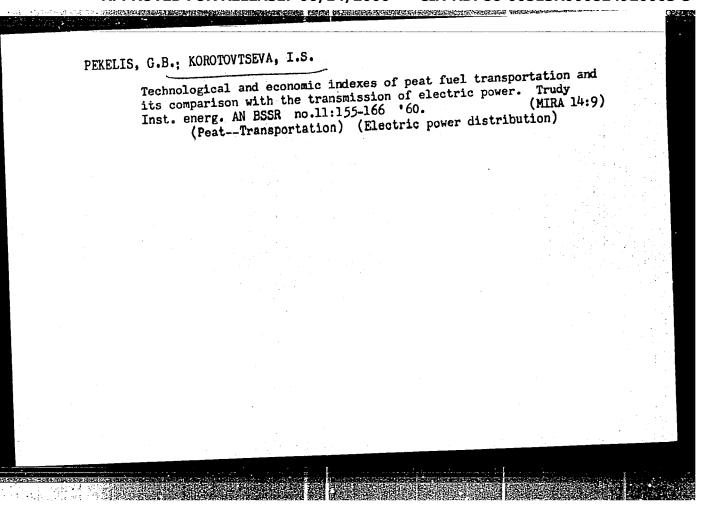
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